

to the third and fourth data channels DCH3 and DCH4 is ended, the transmitting station transmits idle frames in response to the end of the data frames.

In such a state, as shown in Fig. 14E, in response to disappearance of the packet data from the transmission buffer 11a, the transmitting station stops the transmission relating to the fourth data channel DCH4. Specifically, in the case of this embodiment 4, the transmission of data frames in all the data channels is ended at the timing when one frame of the idle frame through the fourth data channel DCH4 is transmitted. Accordingly, the transmitting station stops the transmission relating to the fourth data channel DCH4 at the time when the transmission of the idle frame of the second frame is ended.

In view of the fact that 1 is set as the delay frame number Cfrm, as shown in Fig. 14D, the transmitting station stops the transmission relating to the third data channel DCH3 after one frame has passed from the transmission stop relating to the fourth data channel DCH4. As described above, the data frame of the third data channel DCH3 disappears at the same timing as the fourth data channel DCH4. Accordingly, the transmission relating to the third data channel DCH3 is stopped after idle frames of three frames more than those of the fourth data channel DCH4 by one frame are transmitted.

Further, as shown in Fig. 14C, the transmitting station stops the transmission relating to the second data channel DCH2

after one frame has passed from the transmission stop relating to the third data channel DCH3. In this case, after idle frames of three frames are transmitted, the transmission of the second data channel DCH2 is stopped.

Furthermore, as shown in Fig. 14B, the transmitting station stops the transmission relating to the first data channel DCH1 after one frame has passed from the transmission stop relating to the second data channel DCH2. In this case, after idle frames of four frames are transmitted, the transmission of the first data channel DCH1 is stopped.

Fig. 15 is a view for explaining multicode transmission of packet data in the case where the delay frame number Cfrm is set to 2. That is, after two frames have passed from the transmission stop timing relating to the fourth data channel DCH4, the transmitting station stops the transmission relating to the third data channel DCH3. Besides, after two frames have passed from the timing when the transmission relating to the third data channel DCH3 is stopped, the transmitting station stops the transmission relating to the second data channel DCH2, and further, after two frames have passed from that, the transmitting station stops the transmission relating to the first data channel DCH1.

Fig. 16 is a view for explaining multicode transmission of packet data in the case where the delay frame number Cfrm is set to 3, and the simultaneous processing code number Cnum

is set to 2. That is, the transmitting station stops the transmission relating to two data channels at the same time. More specifically, the transmitting station stops the transmission relating to the second and first data channels DCH2 and DCH1 at the same time in response to the timing when three frames have passed from the transmission stop relating to the fourth and third data channels DCH4 and DCH3.

As described above, according to the embodiment 7, when the transmission of the packet data is stopped, by suitably setting the delay frame number Cfrm and the simultaneous processing code number Cnum, the transmission can be stopped in various patterns. Accordingly, a decreasing pattern of transmission power can be arbitrarily set. Thus, desired transmission power control suitable for a surrounding electric wave environment can be realized.

Embodiment 8

Fig. 17 is a flowchart for explaining transmission stop control processing according to embodiment 8 of the present invention. This embodiment 8 is for more specifically explaining the embodiments 6 and 7.

This transmission stop control processing is similar to the transmission start control processing explained in the embodiment 3 by use of Fig. 8. Different points are step U1, step U3, step U8, step U9 and step U10. That is, the step U1